

FY 2000 ENERGY MANAGEMENT DATA REPORT

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ENERGY CONSUMPTION AND COST DATA

Standard Buildings/Facilities

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Electricity	MWH	24,715,459.9	1,429,511.8	24,059,315.8	1,403,968.9	23,539,959.4	1,389,494.3
Fuel Oil	Thou. Gal.	208,412.4	144,712.1	202,498.5	146,470.3	197,797.7	146,843.8
Natural Gas	Thou. Cu. Ft.	68,984,403.1	298,094.2	67,119,150.6	297,745.5	65,572,625.4	298,430.6
LPG/Propane	Thou. Gal.	15,488.7	14,984.2	15,051.4	15,113.8	14,645.9	15,557.7
Coal	S. Ton	592,574.0	33,000.0	574,522.8	32,939.0	560,130.8	33,052.4
Purch. Steam	BBtu	10,115.4	170,351.2	9,789.0	171,872.0	9,546.8	172,972.5
Other	BBtu	630.0	803.2	610.0	829.2	600.0	879.2
Total Costs			2,091,456.7		2,068,938.7		2,057,230.5

Standard Buildings/Facilities (Thous. Gross Square Feet)	1,990,402.9	1,991,385.5	1,991,045.5
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Industrial, Laboratory, Research, and Other Energy-Intensive Facilities

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Electricity	MWH	3,887,106.6	178,214.8	3,843,411.5	175,358.8	3,178,025.0	148,287.9
Fuel Oil	Thou. Gal.	34,359.3	15,553.2	33,786.0	15,796.3	33,001.7	15,534.9
Natural Gas	Thou. Cu. Ft.	9,436,245.0	31,492.7	9,345,792.1	31,189.2	7,112,864.7	24,064.8
LPG/Propane	Thou. Gal.	621.2	359.6	605.5	355.8	582.2	349.7
Coal	S. Ton	128,761.0	6,004.0	125,733.3	6,017.3	122,797.3	5,976.0
Purch. Steam	BBtu	1,110.7	4,654.8	1,099.7	4,589.1	876.7	3,787.5
Other	BBtu	2.0	191.0	2.0	192.0	2.0	193.0
Total Costs			236,470.1		233,498.5		198,193.8

Energy-Intensive Facilities (Thous. Gross Square Feet)	198,029.5	198,029.5	172,688.5
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Exempt Facilities

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Electricity	MWH	1,639,751.0	88,611.0	1,615,154.7	86,409.0	1,590,927.4	82,533.7
Fuel Oil	Thou. Gal.	12,648.0	6,930.0	12,458.3	6,962.6	12,271.4	6,790.9
Natural Gas	Thou. Cu. Ft.	798,304.0	2,479.0	786,329.4	2,441.8	774,534.5	2,429.2
LPG/Propane	Thou. Gal.	-	-	-	-	-	-
coal	S. Ton	-	-	-	-	-	-
Purch. Steam	BBtu	562.0	2,157.0	553.6	2,124.6	545.3	2,113.7
Other	BBtu	760.0	8,657.0	748.6	8,527.1	737.4	8,483.2
Total Costs			108,834.0		106,465.1		102,350.7

Exempt Facilities (Thous. Gross Square Feet)	-	-	-
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Tactical Vehicles and Other Equipment

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Auto Gasoline	(Thou. Gal.)	71,647.0	63,209.6	71,263.2	64,226.5	70,914.3	66,057.4
Diesel-Distillate	(Thou. Gal.)	811,092.0	498,694.3	768,913.3	732,546.2	767,326.9	632,969.5
LPG/Propane	(Thou. Gal.)	708.0	557.1	683.3	575.5	660.1	585.2
Aviation Gasoline	(Thou. Gal.)	3.0	12.0	2.9	13.0	2.8	13.0
Jet Fuel	(Thou. Gal.)	3,377,840.0	2,244,998.0	3,462,903.9	2,607,919.0	3,468,004.2	2,496,687.0
Navy Special	(Thou. Gal.)	46,334.4	17,607.0	47,044.0	30,578.0	49,522.0	27,404.0
Other	(Billion Btu)	6.0	46.0	5.8	48.0	5.6	49.0
Total Costs			2,825,124.0		3,435,906.2		3,223,765.1

WATER CONSUMPTION AND COST DATA

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Water	Million Gal.	203,773.6	309,786.3	199,879.7	308,652.2	196,675.2	308,983.7

RENEWABLE ENERGY PURCHASES

	Consumption Units	FY 2000		FY 2001		FY 2002	
		Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)	Annual Consumption	Annual Cost (Thou. \$)
Electricity from Renewables	MWH	415,823.0	16,082.2	368,062.0	15,409.2	372,062.0	15,559.2
Natural Gas from Landfill/Biomass	Thou. cubic ft.	9,813.8	(79.2)	9,813.8	(79.2)	9,813.8	(79.2)
Renewable Thermal Energy	MMBtu	94,539.0	21,228.0	95,472.0	21,285.0	96,475.0	21,350.0
Average annual savings/costs anticipated from expenditures (show costs as negative)			16,956.0		16,130.0		16,130.0

ENERGY EFFICIENCY IMPROVEMENTS
DIRECT AGENCY OBLIGATIONS

	FY 2000		FY 2001		FY 2002	
	Annual Savings		Annual Savings		Annual Savings	
	(MMBTU)	(Thou. \$)	(MMBTU)	(Thou. \$)	(MMBTU)	(Thou. \$)
Average annual savings anticipated from obligations	556,391.7	10,872.8	352,404.7	6,096.7	556,003.7	10,665.1
Direct obligations for facility energy efficiency improvements, including facility surveys/audits		42,211.0		33,286.5		58,392.5

ENERGY SAVINGS PERFORMANCE CONTRACTS (ESPC)

	FY 2000		FY 2001		FY 2002	
	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)
Number of ESP contracts awarded in fiscal year & annual energy (MMBTU) savings	957,503.2	54.0	1,697,141.0	87.0	1,859,000.0	98.0
Total value of ESP contracts awarded in fiscal year		344,886.9		797,733.0		861,100.0
Estimated life-cycle cost savings of ESPCs awarded in fiscal year (Contractor share)		443,934.8		752,196.0		820,334.0
Estimated life-cycle cost savings of ESPCs awarded in fiscal year (Government share)		52,032.9		34,415.0		44,066.0
Total annual payments made to all ESP contractors		27,851.5		62,036.0		95,078.0

UTILITY ENERGY SERVICES CONTRACTS (UESC)

	FY 2000		FY 2001		FY 2002	
	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)
Number of utility energy services contracts awarded in fiscal year	1,194,297.0	34.0	943,091.0	23.0	985,718.0	27.0
Total value of utility energy services contracts awarded in fiscal year		91,093.0		92,153.0		96,446.0

Estimated life-cycle cost savings of UESCs awarded in fiscal year (Contractor share)		103,832.0		113,234.0		134,925.0
Estimated life-cycle cost savings of UESCs awarded in fiscal year (Government share)		90,900.0		89,793.0		143,219.0
Total <i>annual</i> payments made to all UES contractors		12,321.3		24,000.0		29,323.0

UTILITY INCENTIVES (REBATES)

	FY 2000		FY 2001		FY 2002	
	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)	Annual savings (MMBTU)	(number/Thou. \$)
Incentives received and estimated energy savings	3,019.0	841.0	7,645.0	1,579.0	7,645.0	1,884.0
Funds spent in order to receive incentives		577.0		5.0		5.0

TRAINING

	FY 2000		FY 2001		FY 2002	
	(number)	(Thou. \$)	(number)	Thous. \$	(number)	Thous. \$
Number of personnel trained/Expenditure	2,311.0	1,532.8	1,937.0	1,460.0	1,913.0	1,443.0

IDENTIFICATION OF FUNDS

	Amount (thou. \$)	Account	Program	Line Item	Page in Budget Request
ESPC or utility service contracts	16,253.0	O&M	ESPC/Utilities		
negotiation/management	120.0	Surcharge			
Direct spending on efficiency	3,280.0	O&M	EMS/projects		
	18,000.0	Surcharge			
	50,000.0	MILCON	ECIP		
Direct spending on training	1,207.8	O&M	Training		
	232.0	DWCF			
Energy Star building design/	500.0	O&MN	FEMP, N		
construction incremental costs	4,700.0	Surcharge			
"Green Power" purchases					
On-site generation and renewable energy					